

PHYSICAL HEALTH & WELL-BEING

INDICATOR #20 Physical Health & Well-being Skills

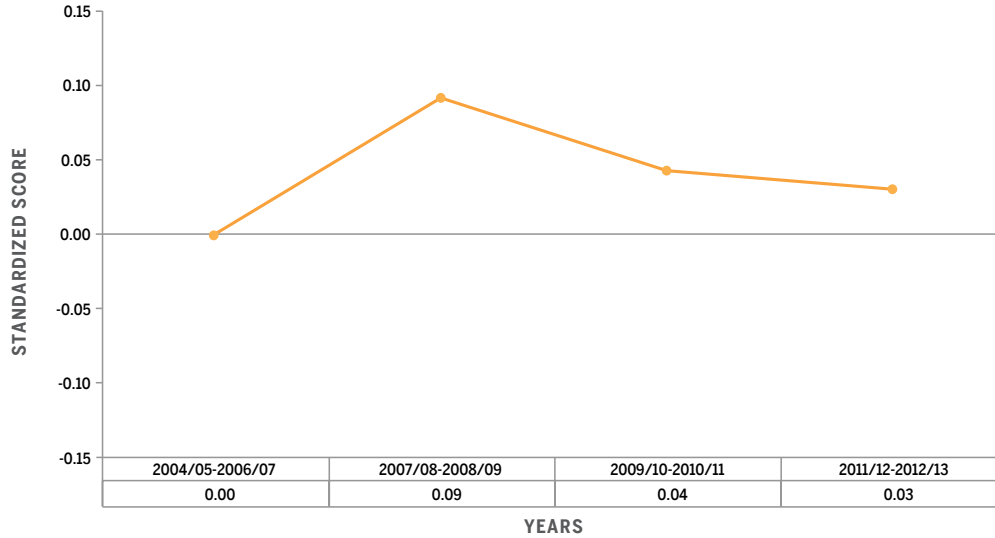
DEFINITION

INDICATOR #20 — Percentage of children identified as “vulnerable” based on the Physical Health and Well-being domain of the Early Development Instrument.

KEY MESSAGES

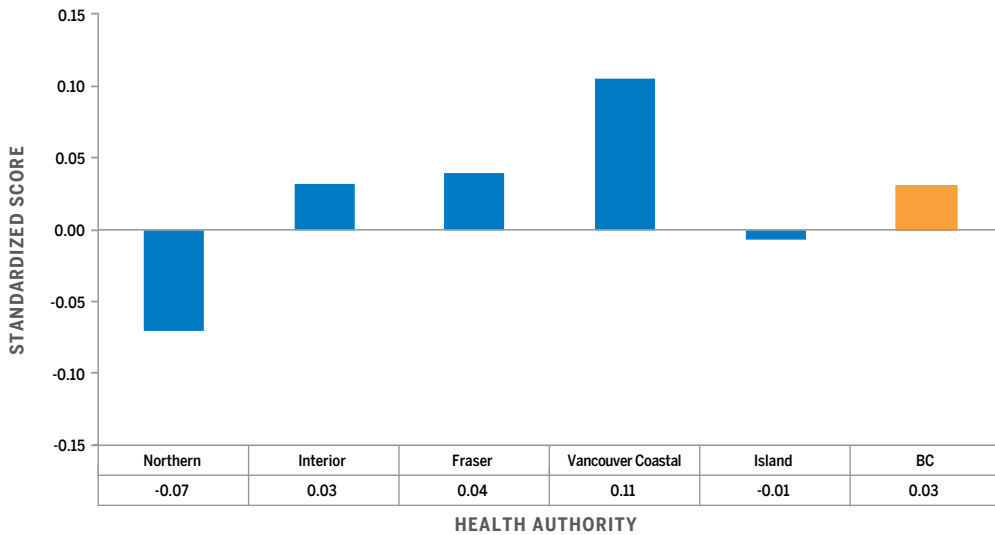
- ▶ The Physical Health and Well-being domain of the Early Development Instrument contains three subscales, one of which is the Gross and Fine Motor subscale. This subscale measures kindergarten children’s **motor skills** including their ability to hold a pen, manipulate objects, and climb stairs, as well as measuring their general energy level.¹
- ▶ This subscale was analyzed and is presented as standardized scores, using 2004/05–2006/07 as a baseline for evaluating subsequent years of data collection. This standardization allows for useful comparison over time, and between health authorities and health service delivery areas. The standardization was achieved by using the mean and standard deviation for the provincial average of 2004/05–2006/07 data.
- ▶ Figure 20.1 shows that the provincial trend for standardized scores has had minor fluctuations but overall has been relatively steady from 2004/05–2006/07 to 2011/12–2012/13.
- ▶ Figures 20.2 and 20.3 show the geographic variation for 2011/12–2012/13; the Gross and Fine Motor results among kindergarten children for each health authority and health service delivery area are presented relative to the provincial average for that time period.

FIG 20.1 Fine and Gross Motor Skills Standardized Scores for Kindergarten Children, BC, 2004/05-2006/07 to 2011/12-2012/13



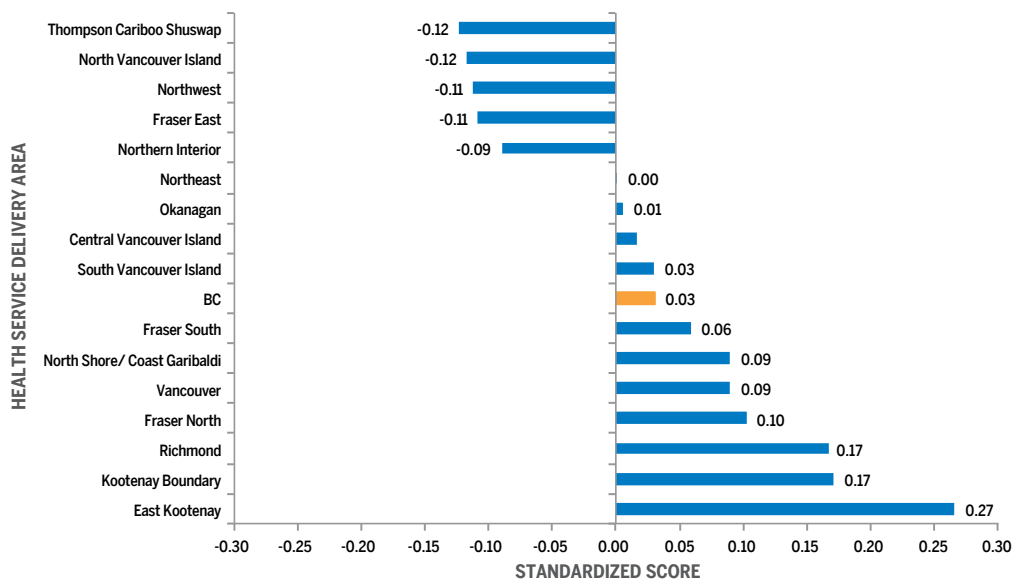
Notes: "Fine and gross motor skills" is a subscale of the Physical Health and Well-being domain of the Early Development Instrument. The scores are standardized using the 2004/05-2006/07 BC value. See Appendix B for more information about this data source.
Source: Human Early Learning Partnership, Early Development Instrument, 2004/05 to 2012/13. Prepared by the Surveillance and Epidemiology Team, BC Office of the Provincial Health Officer, 2016.

FIG 20.2 Fine and Gross Motor Skills Standardized Scores for Kindergarten Children, by Health Authority, BC, 2011/12-2012/13



Notes: "Fine and gross motor skills" is a subscale of the Physical Health and Well-being domain of the Early Development Instrument. The scores are standardized using the 2004/05-2006/07 BC value. Health authority is based on the residence of the child. See Appendix B for more information about this data source.
Source: Human Early Learning Partnership, Early Development Instrument, 2011/12-2012/13. Prepared by the Surveillance and Epidemiology Team, BC Office of the Provincial Health Officer, 2016.

FIG 20.3 Fine and Gross Motor Skills Standardized Scores for Kindergarten Children, by Health Service Delivery Area, BC, 2011/12-2012/13



Notes: "Fine and gross motor skills" is a subscale of the Physical Health and Well-being domain of the Early Development Instrument. The scores are standardized using the 2004/05-2006/07 BC value. Health service delivery area is based on the residence of the child. See Appendix B for more information about this data source.

Source: Human Early Learning Partnership, Early Development Instrument, 2011/12-2012/13. Prepared by the Surveillance and Epidemiology Team, BC Office of the Provincial Health Officer, 2016.

REFERENCE

¹Janus M, Walsh C, Duku E. Early development instrument: factor structure, sub-domains and multiple challenge index. Annual research day. Hamilton, ON: McMaster University, Department of Psychiatry and Biobehavioural Sciences; 2005.